

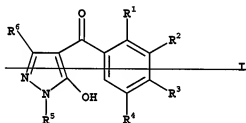
# **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

1. (Currently Amended) A synergistic herbicidal mixture comprising

A) at least one 3-heterocyclyl-substituted benzoyl derivative of the formula I



in which the variables have the following meanings:

R¹, R³ are halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy, C₁-C₆-haloalkoxy, C₁-C₆-alkylthio, C₁-C₆-alkylsulfinyl or C₁-C₆-alkylsulfonyl;

R² is a heterocyclic radical selected from the group: isoxazol-3-yl, isoxazol-4-yl, isoxazol-5-yl, 4,5-dihydroisoxazol-3-yl, 4,5-dihydroisoxazol-4-yl and 4,5-dihydroisoxazol-5-yl, it being possible for the six radicals mentioned to be unsubstituted or mono- or polysubstituted by halogen, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₄-haloalkyl, C₁-C₄-haloalkoxy or C₁-C₄-alkylthio;

$R^4$ —is hydrogen, halogen or  $C_4$ - $C_6$ -alkyl;

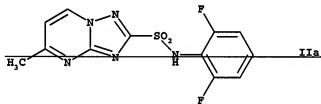
$R^5$ —is  $C_4$ - $C_6$ -alkyl;

$R^6$ —is hydrogen or  $C_4$ - $C_6$ -alkyl;

4-[2-methyl-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole or one of its environmentally compatible salts;

and

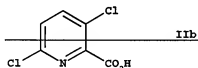
B) at least the one of flumetsulam compound of formula IIa



or one of its environmentally compatible salts;

or

the clopyralid compound of formula IIb



or one of its environmentally compatible salts;

and, if desired,

C) at least one herbicidal compound ~~from the group of the acetyl-CoA~~  
carboxylase inhibitors (ACC), acetolactate synthase inhibitors (ALS),  
amides, auxin herbicides, auxin transport inhibitors, carotenoid

biosynthesis inhibitors, enolpyruvylshikimate 3-phosphate synthase inhibitors (EPSPS), glutamine synthetase inhibitors, lipid biosynthesis inhibitors, mitosis inhibitors, protoporphyrinogen IX oxidase inhibitors, photosynthesis inhibitors, synergists, growth substances, cell wall biosynthesis inhibitors and a variety of other herbicides; selected from the group consisting of C1 to C16:

C1 acetyl-CoA carboxylase inhibitors (ACC):

- cyclohexenone oxime ethers:

aloxxydim, clethodim, cloproxydim, cycloxydim, sethoxydim,

tralkoxydim, butroxydim, clefoxydim or tepraloxydim;

- phenoxyphenoxypropionic esters:

clodinafop-propargyl (and, if appropriate, cloquintocet), cyhalofop-

butyl, diclofop-methyl, fenoxaprop-ethyl, fenoxaprop-P-ethyl,

fenthiapropethyl, fluazifop-butyl, fluazifop-P-butyl, haloxyfop-

ethoxyethyl, haloxyfop-methyl, haloxyfop-P-methyl, isoxapyrifop,

propaquizafop, quizalofop-ethyl, quizalofop-P-ethyl or quizalofop-

tefuryl; or

- arylaminopropionic acids:

flamprop-methyl or flamprop-isopropyl;

C2 acetolactate synthase inhibitors (ALS):

- imidazolinones:

imazapyr, imazaquin, imazamethabenz-methyl (imazame),

imazamox, imazapic, imazethapyr or imazamethapyr;

- pyrimidyl ethers:

pyrithiobac-acid, pyrithiobac-sodium, bispyribac-sodium, KIH-6127

or pyribenzoxym;

- sulfonamides:

florasulam, flumetsulam or metosulam; or

- sulfonylureas:

amidosulfuron, azimsulfuron, bensulfuron-methyl, chlorimuron-

ethyl, chlorsulfuron, cinosulfuron, cyclosulfamuron,

ethametsulfuron-methyl, ethoxysulfuron, flazasulfuron,

halosulfuron-methyl, imazosulfuron, metsulfuron-methyl,

nicosulfuron, primisulfuron-methyl, prosulfuron, pyrazosulfuron-

ethyl, rimsulfuron, sulfometuron-methyl, thifensulfuron-methyl,

triasulfuron, tribenuron-methyl, triflusaluron-methyl, N-[[[4-

methoxy-6-(tri-fluoromethyl)-1,3,5-triazin-2-yl]amino]-carbonyl]-2-

(trifluoromethyl)-benzenesulfonamide, sulfosulfuron or iodosulfuron;

C3 amides:

- allidochlor (CDA), benzoylprop-ethyl, bromobutide, chlorthiamid,

diphenamid, etobenzanid (benzchlomet), fluthiamide, fosamin or

monalide;

C4 auxin herbicides:

- pyridine carboxylic acids:

clopyralid or picloram; or

- 2,4-D or benazolin;

C5 auxin transport inhibitors:

- naptalame or diflufenzopyr;

C6 carotenoid biosynthesis inhibitors:

- benzofenap, clomazone (dimethazone), diflufenican,

fluorochloridone, fluridone, pyrazolynate, pyrazoxyfen, isoxaflutole,

isoxachlortole, mesotrione, sulcotrione (chlormesulone),

ketospiradox, flurtamone, norflurazon or amitrol;

C7 enolpyruvylshikimate-3-phosphate synthase inhibitors (EPSPS):

- glyphosate or sulfosate;

C8 glutamine synthetase inhibitors:

- bilanafos (bialaphos) or glufosinate-ammonium;

C9 lipid biosynthesis inhibitors:

- anilides;

anilofos or mefenacet;

- chloroacetanilides:

dimethenamid, S-dimethenamid, acetochlor, alachlor, butachlor,

butenachlor, diethatyl-ethyl, dimethachlor, metazachlor,

metolachlor, S-metolachlor, pretilachlor, propachlor, prynachlor,

terbuchlor, thenylchlor or xylachlor;

- thioureas:

butylate, cycloate, di-allate, dimepiperate, EPTC, esprocarb,

molinate, pebulate, prosulfocarb, thiobencarb (benthiocarb), tri-

allate or vernolate; or

- benfuresate or perfluidone;

C10 mitosis inhibitors:

- carbamates:

asulam, carbetamid, chlorpropham, orbencarb, pronamid  
(propyzamid), propham or tiocarbazil;

- dinitroanilines:

benefin, butralin, dinitramin, ethalfluralin, fluchloralin, oryzalin,  
pendimethalin, prodiamine or trifluralin;

- pyridines:

dithiopyr or thiazopyr; or

- butamifos, chlorthal-dimethyl (DCPA) or maleic hydrazide;

C11 protoporphyrinogen IX oxidase inhibitors:

- diphenyl ethers:

acifluorfen, acifluorfen-sodium, aclonifen, bifenox, chlornitrofen  
(CNP), ethoxyfen, fluorodifen, fluoroglycofen-ethyl, fomesafen,  
furyloxyfen, lactofen, nitrofen, nitrofluorfen or oxyfluorfen;

- oxadiazoles:

oxadiargyl or oxadiazon;

- cyclic imides:

azafenidin, butafenacil, carfentrazone-ethyl, cinidon-ethyl,  
flumiclorac-pentyl, flumioxazin, flumipropyn, flupropacil, fluthiacet-  
methyl, sulfentrazone or thidiazimin; or

- pyrazoles:

ET-751, JV 485 or nipyraclufen;

C12 photosynthesis inhibitors:

- propanil, pyridate or pyridafol;

- benzothiadiazinones:

bentazone;

- dinitrophenols:

bromofenoxim, dinoseb, dinoseb-acetate, dinoterb or DNOC;

- dipyridylenes:

cyperquat-chloride, difenzoquat-methylsulfate, diquat or paraquat-dichloride;

- ureas:

chlorbromuron, chlorotoluron, difenoxuron, dimefuron, diuron,  
ethidimuron, fenuron, fluometuron, isoproturon, isouron, linuron,  
methabenzthiazuron, methazole, metobenzuron, metoxuron,  
monolinuron, neburon, siduron or tebuthiuron;

- phenols:

bromoxynil or ioxynil;

- chloridazon;

- triazines:

ametryn, atrazine, cyanazine, desmetryn, dimethamethryn,  
hexazinone, prometon, prometryn, propazine, simazine, simetryn,  
terbumeton, terbutryn, terbutylazine or trietazine;

- triazinones:

metamitron or metribuzine;

- uracils:

bromacil, lenacil or terbacil; or

- biscarbamates:

desmedipham or phenmedipham;

C13 synergists:

- oxiranes:

tridiphane;

C14 growth substances:

- aryloxyalkanoic acids:

2,4-DB, clomeprop, dichlorprop, dichlorprop-P (2,4-DP-P),

fluoroxypyr, MCPA, MCPB, mecoprop, mecoprop-P, or triclopyr;

- benzoic acids:

chloramben or dicamba; or

- quinolinecarboxylic acids:

quinclorac or quinmerac;

C15 cell wall synthesis inhibitors:

- isoxaben or dichlobenil;

C16 various other herbicides:

- dichloropropionic acids:

dalapon;

dihydrobenzofurans:



ethofumesate;

- phenylacetic acids;

chlorfenac (fenac); or

- aziprotyn, barban, bensulide, benzthiazuron, benzofluor,

buminafos, buthidazole, buturon, cafenstrole, chlorbufam,

chlorfenprop-methyl, chloroxuron, cinmethylin, cumyluron, cycluron,

cyprazine, cyprazole, dibenzyluron, dipropetryn, dymron, eglinazin-

ethyl, endothall, ethiozin, flucabazone, fluorbentranil, flupoxam,

isocarbamid, isopropalin, karbutilate, mefluidide, monuron,

napropamide, napropanilide, nitralin, oxaciclomefone,

phenisopham, piperophos, procyzazine, profluralin, pyributicarb,

secbumeton, sulfallate (CDEC), terbucarb, triazofenamid, triaziflan

or trimeturon;

or their environmentally compatible salts;

in a synergistically effective amount.

2-9. (Canceled)

10. (Currently Amended) A synergistic herbicidal mixture as claimed claim 1, comprising, at least three active ingredients including, a ~~3-hetero-cycli-~~ substituted benzoyl derivative of the formula I (component A) as claimed in

claim 4 4-[2-methyl-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole and as component B the flumetsulam compound of formula IIa and the or clopyralid compound of formula IIb, and a component C.

11. (Currently Amended) A synergistic herbicidal mixture as claimed in claim 40 1, comprising at least four active ingredients including as component A) 4-[2-methyl-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole and as component B) the flumetsulam compound of formula IIa and the clopyralid compound of formula IIb, and a component C.
12. (Canceled)
13. (Currently Amended) A synergistic herbicidal mixture as claimed in claim 42 1, comprising at least three active ingredients including as component A) 4-[2-methyl-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole and as component B) the flumetsulam compound of formula IIb.
- 14-16. (Canceled)

17. (Currently Amended) A synergistic herbicidal mixture as claimed in ~~45~~ claim 1, comprising, as component C), at least one herbicidal compound from the groups C5, C9 or C 12.
18. (Original) A synergistic herbicidal mixture as claimed in 17, comprising, as component C), at least one herbicidal compound from the groups C9 or C 12.
19. (Currently Amended) A synergistic herbicidal mixture as claimed in claim ~~45~~ 1 comprising, as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) at least ~~the one of flumetsulam compound of formula IIa or the clopyralid compound of formula IIb~~, and as component C) a herbicidal compound from the group C5.
20. (Currently Amended) A synergistic herbicidal mixture as claimed in claim ~~45~~ 1 comprising, as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) at least ~~the one of flumetsulam compound of formula IIa or the clopyralid compound of formula IIb~~, and as component C) diflufenzopyr.
21. (Currently Amended) A synergistic herbicidal mixture as claimed in claim ~~45~~ 1 comprising, as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) at

least one of flumetsulam ~~the compound of formula IIa or the clopyralid~~  
~~compound of formula IIb~~, and as component C) a herbicidal compound from  
the group C9.

22. (Currently Amended) A synergistic herbicidal mixture as claimed in claim 15  
comprising, as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-  
methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) at  
least the one of flumetsulam ~~compound of formula IIa or the clopyralid~~  
~~compound of formula IIb~~, and as component C) an a chloroacetanilide.

23. (Currently Amended) A synergistic herbicidal mixture as claimed in claim 15 ~~1~~  
comprising, as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-  
methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) at  
least the one of flumetsulam ~~compound of formula IIa or the clopyralid~~  
~~compound of formula IIb~~, and as component C) acetochlor.

24. (Currently Amended) A synergistic herbicidal mixture as claimed in claim 15 ~~1~~  
comprising, as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-  
methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) at  
least the one of flumetsulam ~~compound of formula IIa or the clopyralid~~  
~~compound of formula IIb~~, and as component C) a herbicidal compound from  
the group C12.

25. (Currently Amended) A synergistic herbicidal mixture as claimed in claim 15 1 comprising, as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) at least the compound of formula IIa or the compound of formula IIb, and as component C) a triazine from group C12.
26. (Currently Amended) A synergistic herbicidal mixture as claimed in claim 15 1, comprising as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) at least the compound of formula IIa or the compound of formula IIb, and as component C) atrazine.
27. (Currently Amended) A synergistic herbicidal mixture as claimed in claim 15 1 comprising, as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) at least the compound of formula IIa or the compound of formula IIb, and as component C) a herbicidal compound from the group C5 and a herbicidal compound from the group C12.
28. (Currently Amended) A synergistic herbicidal mixture as claimed in claim 15 1 comprising, as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) at

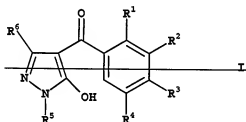
~~least the compound of formula IIa or the compound of formula IIb, and as~~  
component C) an auxin transport inhibitor and a triazine.

29. (Currently Amended) A synergistic herbicidal mixture as claimed in claim 15 1 comprising, as component A) 4-[2-methyl-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) ~~at least the compound of formula IIa or the compound of formula IIb, and as~~ component C) andiflufenzopyr and atrazine.
30. (Previously Presented) Synergistic herbicidal mixture as claimed in claim 1, wherein component A) and B) are present in a weight ratio of 1:0.001 to 1:500.
31. (Currently Amended) Synergistic herbicidal mixture as claimed in claim 44 1, wherein component A) and component C) are present in a weight ratio of 1:0.002 to 1:800.
32. (Previously Presented) A herbicidal composition comprising a herbicidally active amount of a synergistic herbicidal mixture as claimed in claim 1, at least one inert liquid and/or solid carrier and, if desired, at least one surfactant.
33. (Currently Amended) A process for the preparation of herbicidal compositions as claimed in claim 32, comprising mixing component A), component B), if

desired, component C), at least one inert liquid and/or solid carrier and, if appropriate, a surfactant.

34. (Currently Amended) A method of controlling undesired vegetation, which comprising applying simultaneously or separately to said vegetation, the environment of said vegetation and/or seeds of said vegetation

A) at least one 3-heterocyclyl-substituted-benzoyl derivative of the formula I



in which the variables have the following meanings:

$R^1, R^3$  are halogen,  $C_1-C_6$ -alkyl,  $C_1-C_6$ -haloalkyl,  $C_1-C_6$ -alkoxy,  $C_1-C_6$ -haloalkoxy,  $C_1-C_6$ -alkylthio,  $C_1-C_6$ -alkylsulfinyl or  $C_1-C_6$ -alkylsulfonyl;

$R^2$  is a heterocyclic radical selected from the group: isoxazol-3-yl, isoxazol-4-yl, isoxazol-5-yl, 4,5-dihydroisoxazol-3-yl, 4,5-dihydroisoxazol-4-yl and 4,5-dihydroisoxazol-5-yl, it being possible for the six radicals mentioned to be unsubstituted or mono- or polysubstituted by halogen,  $C_1-C_4$ -alkyl,  $C_1-C_4$ -alkoxy,  $C_1-C_4$ -haloalkyl,  $C_1-C_4$ -haloalkoxy or  $C_1-C_4$ -alkylthio;

$R^4$ — is hydrogen, halogen or  $C_1$ - $C_6$ -alkyl;

$R^6$ — is  $C_1$ - $C_6$ -alkyl;

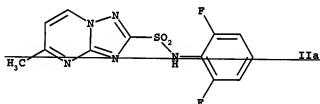
$R^6$ — is hydrogen or  $C_1$ - $C_6$ -alkyl;

4-[2-methyl-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole

or one of its environmentally compatible salts;

and

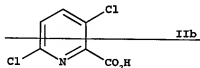
B) at least the one of flumetsulam compound of formula IIa



or one of its environmentally compatible salts;

or

the clopyralid compound of formula IIb



or one of its environmentally compatible salts;

and, if desired,

C) at least one herbicidal compound from the group of the acetyl-CoA carboxylase inhibitors (ACC), acetolactate synthase inhibitors (ALS),



amides, auxin herbicides, auxin transport inhibitors, carotenoid biosynthesis inhibitors, enolpyruvylshikimate 3-phosphate synthase inhibitors (EPSPS), glutamine synthetase inhibitors, lipid biosynthesis inhibitors, mitosis inhibitors, protoporphyrinogen IX-oxidase inhibitors, photosynthesis inhibitors, synergists, growth substances, cell wall biosynthesis inhibitors and a variety of other herbicides; selected from the group consisting of C1 to C16:

C1 acetyl-CoA carboxylase inhibitors (ACC):

- cyclohexenone oxime ethers:

alloxydim, clethodim, cloproxydim, cycloxydim, sethoxydim, tralkoxydim, butroxydim, clefoxydim or tepraloxym;

- phenoxyphenoxypropionic esters:

clodinafop-propargyl (and, if appropriate, cloquintocet), cyhalofop-butyl, diclofop-methyl, fenoxaprop-ethyl, fenoxaprop-P-ethyl, fenthiapropethyl, fluazifop-butyl, fluazifop-P-butyl, haloxyfop-ethoxyethyl, haloxyfop-methyl, haloxyfop-P-methyl, isoxapyrifop, propaquizafop, quizalofop-ethyl, quizalofop-P-ethyl or quizalofop-tefuryl; or

- arylamino propionic acids:

flamprop-methyl or flamprop-isopropyl;

C2 acetolactate synthase inhibitors (ALS):

- imidazolinones:

imazapyr, imazaquin, imazamethabenz-methyl (imazame),

imazamox, imazapic, imazethapyr or imazamethapyr;

- pyrimidyl ethers:

pyrithiobac-acid, pyrithiobac-sodium, bispiribac-sodium, KIH-6127

or pyribenzoxym;

- sulfonamides:

florasulam, flumetsulam or metosulam; or

- sulfonylureas:

amidosulfuron, azimsulfuron, bensulfuron-methyl, chlorimuron-

ethyl, chlosulfuron, cinosulfuron, cyclosulfamuron,

ethametsulfuron-methyl, ethoxysulfuron, flazasulfuron,

halosulfuron-methyl, imazosulfuron, metsulfuron-methyl,

nicosulfuron, primisulfuron-methyl, prosulfuron, pyrazosulfuron-

ethyl, rimsulfuron, sulfometuron-methyl, thifensulfuron-methyl,

triasulfuron, tribenuron-methyl, triflusulfuron-methyl, N-[[[4-

methoxy-6-(tri-fluoromethyl)-1,3,5-triazin-2-yl]amino]-carbonyl]-2-

(trifluoromethyl)-benzenesulfonamide, sulfosulfuron or iodosulfuron;

### C3 amides:

- allidochlor (CDAA), benzoylprop-ethyl, bromobutide, chlorthiamid,

diphenamid, etobenzanid (benzchlomet), fluthiamide, fosamin or

monalide;

### C4 auxin herbicides:

- pyridine carboxylic acids:

clopyralid or picloram; or

- 2,4-D or benazolin;

C5 auxin transport inhibitors:

- naptalame or diflufenzopyr;

C6 carotenoid biosynthesis inhibitors:

- benzofenap, clomazone (dimethazone), diflufenican,

fluorochloridone, fluridone, pyrazolynate, pyrazoxyfen, isoxaflutole,

isoxachlortole, mesotrione, sulcotrione (chlormesulone),

ketospiradox, flurtamone, norflurazon or amitrol;

C7 enolpyruvylshikimate-3-phosphate synthase inhibitors (EPSPS):

- glyphosate or sulfosate;

C8 glutamine synthetase inhibitors:

- bilanafos (bialaphos) or glufosinate-ammonium;

C9 lipid biosynthesis inhibitors:

- anilides:

anilofos or mefenacet;

- chloroacetanilides:

dimethenamid, S-dimethenamid, acetochlor, alachlor, butachlor,

butenachlor, diethatyl-ethyl, dimethachlor, metazachlor,

metolachlor, S-metolachlor, pretilachlor, propachlor, prynachlor,

terbuchlor, thenylchlor or xylachlor;

- thioureas:

butylate, cycloate, di-allate, dimepiperate, EPTC, esprocarb,  
molinate, pebulate, prosulfocarb, thiobencarb (benthiocarb), tri-  
allate or vernolate; or

- benfuresate or perfluidone;

C10 mitosis inhibitors:

- carbamates:

asulam, carbetamid, chlorpropham, orbencarb, pronamid  
(propyzamid), propham or tiocarbazil;

- dinitroanilines:

benefin, butralin, dinitramin, ethalfluralin, fluchloralin, oryzalin,  
pendimethalin, prodiamine or trifluralin;

- pyridines:

dithiopyr or thiazopyr; or

- butamifos, chlorthal-dimethyl (DCPA) or maleic hydrazide;

C11 protoporphyrinogen IX oxidase inhibitors:

- diphenyl ethers:

acifluorfen, acifluorfen-sodium, aclonifen, bifenox, chlornitrofen  
(CNP), ethoxyfen, fluorodifen, fluoroglycofen-ethyl, fomesafen,  
furyloxyfen, lactofen, nitrofen, nitrofluorfen or oxyfluorfen;

- oxadiazoles:

oxadiargyl or oxadiazon;

- cyclic imides:

azafenidin, butafenacil, carfentrazone-ethyl, cinidon-ethyl,

flumiclorac-pentyl, flumioxazin, flumipropyn, flupropacil, fluthiacet-

methyl, sulfentrazone or thidiazimin; or

- pyrazoles:

ET-751, JV 485 or nipyraclufen;

C12 photosynthesis inhibitors:

- propanil, pyridate or pyridafol;

- benzothiadiazinones:

bentazone;

- dinitrophenols:

bromofenoxim, dinoseb, dinoseb-acetate, dinoterb or DNOC;

- dipyridylenes:

cyperquat-chloride, difenzoquat-methylsulfate, diquat or paraquat-  
dichloride;

- ureas:

chlorbromuron, chlorotoluron, difenoxuron, dimefuron, diuron,

ethidimuron, fenuron, fluometuron, isoproturon, isouron, linuron,

methabenzthiazuron, methazole, metobenzuron, metoxuron,

monolinuron, neburon, siduron or tebuthiuron;

- phenols:

bromoxynil or ioxynil;

- chloridazon;

- triazines:

ametryn, atrazine, cyanazine, desmetryn, dimethamethryn,  
hexazinone, prometon, prometryn, propazine, simazine, simetryn,  
terbumeton, terbutryn, terbutylazine or trietazine;

- triazinones:

metamitron or metribuzine;

- uracils:

bromacil, lenacil or terbacil; or

- biscarbamates:

desmedipham or phenmedipham;

C13 synergists:

- oxiranes:

tridiphan;

C14 growth substances:

- aryloxyalkanoic acids:

2,4-DB, clomeprop, dichlorprop, dichlorprop-P (2,4-DP-P),

fluoroxypyr, MCPA, MCPB, mecoprop, mecoprop-P, or triclopyr;

- benzoic acids:

chloramben or dicamba; or

- quinolinecarboxylic acids:

quinclorac or quinmerac;

C15 cell wall synthesis inhibitors:

- isoxaben or dichlobenil;

C16 various other herbicides:

- dichloropropionic acids:

dalapon;

dihydrobenzofurans:

ethofumesate;

- phenylacetic acids:

chlorfenac (fenac); or

- aziprotryn, barban, bensulide, benzthiazuron, benzofluor,

buminafos, buthidazole, buturon, cafenstrole, chlorbufam,

chlorfenprop-methyl, chloroxuron, cinmethylin, cumyluron, cycluron,

cyprazine, cyprazole, dibenzyluron, dipropetryn, dymron, eglinazin-

ethyl, endothall, ethiozin, flucabazone, fluorbentrail, flupoxam,

isocarbamid, isopropalin, karbutilate, mefluidide, monuron,

napropamide, napropanilide, nitratin, oxaciclomefone,

phenisopham, piperophos, procvazine, profluralin, pyributicarb,

sebumeton, sulfallate (CDEC), terbucarb, triazofenamid, triaziflan

or trimeturon;

or their environmentally compatible salts;

in a synergistically effective amount.

35. (Previously Presented) The method of claim 34, wherein the undesired vegetation is proximate crop plants, and the application is to the leaves of the crop plant and of the undesired vegetation.